In a next step 208, the user selects the schematic configuration of the proposed circuit. A "configuration" is a unique set of schematic diagrams for the proposed circuit design typically tailored for a specific need. Some configurations may be tailored for production needs, others may be tailored for component needs. Additional configurations can be of a closed loop type, an open loop type, and a safe to start type. These configurations are described in greater detail in co-pending Patent Application, Serial No. 08/925,121, filed on September 8, 1997, entitled "Methods and Apparatus for Configuring Schematic Diagrams," and now issued as U.S. Patent 6,230,305 which is hereby incorporated by reference for all purposes. Next, in step 210, the user specifies the simulation template analysis to be performed on the proposed circuit design. The simulation template analysis may be pre- installed into the SPICE program or may be uniquely specified by a user. Examples of simulation template analysis include sensitivity analysis, root summed square (RSS) analysis, extreme value analysis (EVA) and worst case sensitivity (WCS) analysis.

IN THE DRAWING

Please amend the drawings as follows:

Replace the sheet of drawing containing Figure 2 as originally filed with the enclosed sheet of drawing containing Figure 2 as amended.

IN THE CLAIMS

Following is a complete set of claims as amended with this Response. This complete set of claims includes amended claim 5.

1   1.   (Original) A method of modifying a SPICE netlist of a circuit design using a
2   simulation template to perform a pre-determined analysis involving circuit paramenter
3   perturbations, comprising:
4   adding a perturbing routine to said netlist for altering circuit parameter values of said
5   circuit design in a pre-determined manner;